

# **EXHIBIT E**

**To Declaration of Matthew J. Hertko ISO Defendants'  
Motion to Dismiss for Failure to State a Claim  
(Omitted from original filing.)**



# UNITED STATES PATENT AND TRADEMARK OFFICE

## Assignment abstract of title for Application 09513665

<b>Invention title/Inventor</b> METHOD FOR REDUCING INTERFERENCE IN A RECEIVER Jyri Rauhala, Olli-Pekka Lunden, Marko Erkkila	<b>Patent</b> 6847803 Jan 25, 2005	<b>Publication</b>	<b>Application</b> 09513665 Feb 25, 2000	<b>PCT International registration</b>
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## Assignments (6 of 6 total)

### Assignment 6

<b>Reel/frame</b> 046404/0466	<b>Execution date</b> Jun 29, 2018	<b>Date recorded</b> Jul 19, 2018	<b>Properties</b> 13	<b>Pages</b> 9
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#### Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

#### Assignors

INTELLECTUAL VENTURES ASSETS 81 LLC

#### Correspondent

LARRY D. THOMPSON, JR.  
4306 YOAKUM BLVD  
STE 450  
HOUSTON, TX 77006

#### Assignee

AMERICAN PATENTS LLC  
2325 OAK ALLEY  
TYLER, TEXAS 75703

### Assignment 5

<b>Reel/frame</b> 046275/0948	<b>Execution date</b> Jun 01, 2018	<b>Date recorded</b> Jul 05, 2018	<b>Properties</b> 10	<b>Pages</b> 5
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#### Conveyance

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

#### Assignors

INTELLECTUAL VENTURES I LLC

#### Correspondent

INTELLECTUAL VENTURES  
MANAGEMENT- IP LEGAL  
3150 139TH AVENUE SE  
BUILDING 4, FLOOR 3  
BELLEVUE, WA 98005

#### Assignee

INTELLECTUAL VENTURES ASSETS 81 LLC  
251 LITTLE FALLS DRIVE  
WILMINGTON 19808  
UNITED STATES

### Assignment 4

<b>Reel/frame</b> 026637/0611	<b>Execution date</b> Jul 18, 2011	<b>Date recorded</b> Jul 22, 2011	<b>Properties</b> 290	<b>Pages</b> 12
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#### Conveyance

MERGER (SEE DOCUMENT FOR DETAILS).

#### Assignors

SPYDER NAVIGATIONS L.L.C.

#### Correspondent

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150 EAST GILMAN STREET  
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WILMINGTON, DELAWARE 19808

**Assignment 3**

Reel/frame	Execution date	Date recorded	Properties	Pages
021331/0082	Mar 22, 2007	Aug 01, 2008	1	17

**Conveyance**

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors**

NOKIA CORPORATION

**Correspondent**

PAUL S HUNTER, FOLEY & LARDNER  
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1209 ORANGE STREET  
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**Assignment 2**

Reel/frame	Execution date	Date recorded	Properties	Pages
021329/0782	Jan 30, 2001	Aug 01, 2008	1	31

**Conveyance**

MERGER (SEE DOCUMENT FOR DETAILS).

**Assignors**

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FINLAND

**Assignment 1**

Reel/frame	Execution date	Date recorded	Properties	Pages
010598/0927	Dec 08, 1999	Feb 25, 2000	1	4

**Conveyance**

ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors**

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